



SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Forssmann, Wolf-Georg  
Schulz-Knappe, Peter  
Meyer, Markus  
Magert, Hans-Jurgen

(ii) TITLE OF INVENTION: HUMAN CIRCULATING CYTOKINE CC-1

(iii) NUMBER OF SEQUENCES: 11

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN  
(B) STREET: The Jenifer Building, 400 Seventh St. N.W.  
(C) CITY: Washington  
(D) STATE: DC  
(E) COUNTRY: USA  
(F) ZIP: 20004

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/666,340  
(B) FILING DATE: 18-AUG-1998

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/EP94/04282  
(B) FILING DATE: 22-DEC-1994

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DE 43 44 397.4  
(B) FILING DATE: 24-DEC-1993

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DE 44 27 395.9  
(B) FILING DATE: 03-AUG-1994

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Player, William E.  
(B) REGISTRATION NUMBER: 31,409  
(C) REFERENCE/DOCKET NUMBER: 10496/P60448USO

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 202-638-6666  
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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 32 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
  - (A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GCCCGGAATT CTAGACARCG NATHATGGAY TA

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(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 32 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
  - (A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CCCGAATTCT AGAARTAYCC NATHCCNCGN CA

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(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 32 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
  - (A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GCCCGGAATT CTAGACARAG RATHATGGAY TA

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(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 12 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Lys Tyr Pro Ile Pro Arg Glu Arg Ile Met Asp Tyr  
 1 5 10

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 32 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CCCGAATTCT AGAARTAYCC NATHCCNAGR CA

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(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 74 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Thr Lys Thr Glu Ser Ser Ser Arg Gly Pro Tyr His Pro Ser Glu Cys  
 1 5 10 15

Cys Phe Thr Tyr Thr Thr Tyr Lys Ile Pro Arg Gln Arg Ile Met Asp  
 20 25 30

Tyr Tyr Glu Thr Asn Ser Gln Cys Ser Lys Pro Gly Ile Val Phe Ile  
 35 40 45

Thr Lys Arg Gly His Ser Val Cys Thr Asn Pro Ser Asp Lys Trp Val  
 50 55 60

Gln Asp Tyr Ile Lys Asp Met Lys Glu Asn  
 65 70

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 123 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

TATGAGACCA GCAGCCAGTG CTCCAAGCCC GGAATTGTCT TCATCACCAA AAGGGGCCAT 60  
TCCGTCTGTA CCAACCCCAG TGACAAGTGG GTCCAGGACT ATATCAAGGA CATGAAGGAG 120  
AAC 123

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 47 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Gln Arg Ile Met Asp Tyr Tyr Glu Thr Ser Ser Gln Cys Ser Lys Pro  
1 5 10 15  
Gly Ile Val Phe Ile Thr Lys Arg Gly His Ser Val Cys Thr Asn Pro  
20 25 30  
Ser Asp Lys Trp Val Gln Asp Tyr Ile Lys Asp Met Lys Glu Asn  
35 40 45

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 330 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 11..151

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

GAATTCTAGA CAG CGG ATC ATG GAT TAC TAT GAG ACC AGC AGC CAG TGC 49  
Gln Arg Ile Met Asp Tyr Tyr Glu Thr Ser Ser Gln Cys  
1 5 10  
TCC AAG CCC GGA ATT GTC TTC ATC ACC AAA AGG GGC CAT TCC GTC TGT 97  
Ser Lys Pro Gly Ile Val Phe Ile Thr Lys Arg Gly His Ser Val Cys  
15 20 25

ACC AAC CCC AGT GAC AAG TGG GTC CAG GAC TAT ATC AAG GAC ATG AAG 145  
 Thr Asn Pro Ser Asp Lys Trp Val Gln Asp Tyr Ile Lys Asp Met Lys  
 30 35 40 45

GAG AAC TGAGTGACCC AGAAGGGGTG GCGAAGGCAC AGCTCAGAGA CATAAAGAGA 201  
 Glu Asn

AGATGCCAAG GCCCCCTCCT CCACCCACCC CTA ACTCTCA GCCCCAGTCA CCCTCTTGA 261

GCTTCCCTGC TTTGAATTAA AGACCACTCA TGCTCTTCAA AAAAAAAAAA AAAATGAGCT 321

CTAGAATTC 330

(2) INFORMATION FOR SEQ ID NO:10:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 47 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Gln Arg Ile Met Asp Tyr Tyr Glu Thr Asn Ser Gln Cys Ser Lys Pro  
 1 5 10 15

Gly Ile Val Phe Ile Thr Lys Arg Gly His Ser Val Cys Thr Asn Pro  
 20 25 30

Ser Asp Lys Trp Val Glu Asp Tyr Ile Lys Asp Met Lys Glu Asn  
 35 40 45

(2) INFORMATION FOR SEQ ID NO:11:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 35 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

CCTGAATTCT AGAGCTCATT TTTTTTTTTT TTTT